

Refine Search

Search Results -

| Terms | Documents |
|-----------------------|-----------|
| L1 and oleanolic acid | 2 |

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L2

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, November 23, 2004 [Printable Copy](#) [Create Case](#)

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|--|-----------------------|------------------|-------------------------------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> | | | |
| <u>L2</u> | L1 and oleanolic acid | 2 | <u>L2</u> |
| <u>L1</u> | lantana camara | 60 | <u>L1</u> |

END OF SEARCH HISTORY

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20040220425 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 2

File: PGPB

Nov 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040220425

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040220425 A1

TITLE: Process for isolation of hepatoprotective agent "oleanolic acid" from Lantana camara

PUBLICATION-DATE: November 4, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------------|---------|-------|---------|---------|
| Srivastava, Santosh Kumar | Lucknow | | IN | |
| Khan, Merajuddin | Lucknow | | IN | |
| Khanuja, Suman Preet Singh | Lucknow | | IN | |

US-CL-CURRENT: 562/498

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 2. Document ID: US 5529769 A

L2: Entry 2 of 2

File: USPT

Jun 25, 1996

US-PAT-NO: 5529769

DOCUMENT-IDENTIFIER: US 5529769 A

TITLE: Cosmetic compositions containing betulinic acid

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L1 and oleanolic acid

2

(FILE 'HOME' ENTERED AT 09:56:04 ON 23 NOV 2004)

FILE 'REGISTRY' ENTERED AT 09:56:47 ON 23 NOV 2004
1 S OLEANOLIC ACID/CN

FILE 'CAPLUS' ENTERED AT 09:57:49 ON 23 NOV 2004

76 S 508-02-1/PROC
310 S 508-02-1/PREP
217 S 508-02-1/PUR
383 S L2 OR L3 OR L4
37 S L5 AND EXTRACT?
10 S L5 AND CRYSTAL?
1 S L7 AND LANTANA CAMARA

s oleanolic acid/cn
1 OLEANOLIC ACID/CN

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
508-02-1 REGISTRY
Olean-12-en-28-oic acid, 3-hydroxy-, (3 β)- (9CI) (CA INDEX NAME)

ER CA INDEX NAMES:

Olean-12-en-28-oic acid, 3 β -hydroxy- (8CI)

ER NAMES:

(+)-Oleanolic acid
3 β -Hydroxyolean-12-en-28-oic acid
Astrantiagenin C
Caryophyllin
Giganteumgenin C
Gledigenin 1
NSC 114945

Oleanolic acid
Oleonolic acid
Virgaureagenin B

STEREOSEARCH

C30 H48 O3

COM

STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HODOC*, IPA,
MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PHAR, PROMT, PROUSDDR, RTECS*,
SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CA Caplus document type: Conference; Dissertation; Journal; Patent

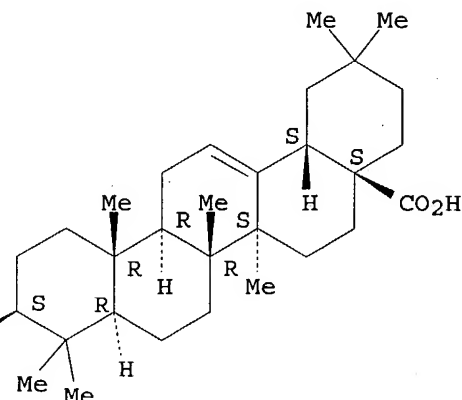
P Roles from patents: ANST (Analytical study); BIOL (Biological study);
OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);
RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

P Roles for non-specific derivatives from patents: BIOL (Biological
study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
(Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses); NORL (No role in record)

NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)

olute stereochemistry.



508-02-1/proc
2265 508-02-1
3587092 PROC/RL
76 508-02-1/PROC
(508-02-1 (L) PROC/RL)

508-02-1/prep
2265 508-02-1
3226441 PREP/RL
310 508-02-1/PREP
(508-02-1 (L) PREP/RL)

508-02-1/pur
2265 508-02-1
202522 PUR/RL
217 508-02-1/PUR
(508-02-1 (L) PUR/RL)

12 or 13 or 14
383 L2 OR L3 OR L4

15 and extract?
260501 EXTRACT?
37 L5 AND EXTRACT?

15 and crystal?
1613737 CRYSTAL?
10 L5 AND CRYSTAL?

17 and lantana camara
455 LANTANA
332 CAMARA
310 LANTANA CAMARA
(LANTANA (W) CAMARA)
1 L7 AND LANTANA CAMARA

ibib abs hitstr

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

SSION NUMBER: 2004:934378 CAPLUS
E: Extraction process for the isolation of oleanolic acid
from the roots of **Lantana camara**
NTOR(S): Srivastava, Santosh Kumar; Khan, Merajuddin; Khanuja,
Suman Preet Singh
NT ASSIGNEE(S): India
CE: U.S. Pat. Appl. Publ., 4 pp.
CODEN: USXXCO
MENT TYPE: Patent
UAGE: English
LY ACC. NUM. COUNT: 1
NT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------------------|------|----------|-----------------|------------|
| US 2004220425 | A1 | 20041104 | US 2004-815095 | 20040330 |
| RITY APPLN. INFO.: | | | IN 2003-DE534 | A 20030331 |

A process for the isolation of oleanolic acid from the roots of **Lantana camara** is described which comprises: (A) obtaining the dried root of **Lantana camara**; (B) grinding the dried root of step (a) to obtain a root powder; (C) defattening the root powder with an organic solvent for 6-12 h at 30-40° three times with a solvent; (D) extracting the defattened root powder for 6-12 h at 30-40° three times with a solvent; (E) removing the solvent from the root powder and solvent mixture to obtain the crude extract; and (F) precipitating the crude extract followed by repeated partial crystallization of the precipitate with a solvent to obtain the oleanolic acid.

508-02-1P, Oleanolic acid

RL: NPO (Natural product occurrence); PEP (Physical, engineering or

chemical process); **PUR** (Purification or recovery); **PYP** (Physical
process); **BIOL** (Biological study); **OCCU** (Occurrence); **PREP**
(Preparation); **PROC** (Process)

(extraction process for the isolation of oleanolic acid from the roots of
Lantana camara)

508-02-1 CAPLUS

Olean-12-en-28-oic acid, 3-hydroxy-, (3 β)- (9CI) (CA INDEX NAME)

olute stereochemistry.

